

Name: \_\_\_\_\_

**at1110paper\_practice\_test (v18)**

1. Expand the following expression into standard form.

$$(3x - 2)(5x - 9)$$

2. Solve the equation.

$$(5x + 2)(7x - 9) = 0$$

3. Expand the following expression into standard form.

$$(5x - 3)(5x + 3)$$

4. Expand the following expression into standard form.

$$(5x - 6)^2$$

5. Factor the expression.

$$x^2 + 7x - 18$$

6. Factor the expression.

$$36x^2 - 49$$

7. Solve the equation with factoring by grouping.

$$15x^2 + 20x + 6x + 8 = 0$$

8. Solve the equation.

$$7x^2 - 21x + 25 = 4x^2 - 2x - 3$$